

## PATENT ABSTRACTS OF JAPAN

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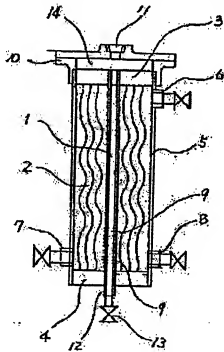
(72)Inventor : YAMAMURA HIROYUKI  
NISHIMURA TETSUO

## (54) HOLLOW-FIBER MEMBRANE MODULE AND USING METHOD THEREFOR

## (57)Abstract:

**PURPOSE:** To obtain a hollow-fiber membrane module capable of continuously filtering liq. and capable of being periodically blown with air by positioning the tiny hole of the pipe of a hollow-fiber membrane module below the pipe center in the longitudinal direction of the module and close to the lower end plate of the module.

**CONSTITUTION:** A hollow-fiber membrane is arranged around a center pipe, the tiny hole of the center pipe from which air is discharged is positioned below the pipe center of the vertical hollow-fiber membrane module and close to the lower end plate. The water to be filtered is supplied from a nozzle 8, passed through the membrane, filtered and discharged from an outlet 11. Since the SS, bacteria, etc., are deposited on the membrane after the module is operated for a long time, air is bubbled from the tiny hole 9 to shake the membrane, and the deposit is removed. The membrane is uniformly shaken since the tiny hole is positioned at the lower part.



## LEGAL STATUS

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